

Product datasheet for **MR209172**

Plekha4 (BC021387) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekha4 (BC021387) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plekha4
Synonyms:	PEPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209172 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCAGGGCCGACCCCGAGCAGCCTCAGCCTGGCCAGCAGTCTCCACCCTCCTCTCTGAGTA
 GCCTGAGCACCAAGAAGCCTACCCGTGCAGTACACAAGGTCCATGCCTTTGGAAAAAGGAACAATGCACT
 TCGACGAGACCCCAACTTGCCGGTGCACATCCGTGGCTGGCTGCACAAACAGGACAGCTCAGGCCTCCGG
 CTGTGGAAGCGCCGTTGGTTTCGCTCTTTAGGCCATTGCCTTTCTACTATAAGGATAGCAGAGAAGAGA
 GTGTCCTGGGCAGTGTATTATTACCCAGCTACAGTGTGAGCCAGATGGGCCCGGAGCCCTCGTGGCCG
 GCGATTACCTTCACAGCAGAGCACCCGGGCATGAGGACCTATGTCCTTGCAGCTGACACATTAGAGGAC
 CTGAGAGGTTGGCTTCGAGCACTGGGGAGGGCCTCTCGTGGGAGGGGAAGATTGCGGACTCCCGAGGT
 CACCTGCACGTCCAGGCCTGGGAAGTCTGGGGACCCGGAGACCCCAAGAGGTGAACAGAAGGGA
 AGAGGGGCGCATCTCAGAATCACAGAGGTAGCTCGGCTCTCCAGAGGTCTTGGCAGACATGAAACGCAC
 ACTCCCAACTCTACAGTGGATCTGCAGACTGACACCTGGAGTCTGAGAACCCTGGAGCCAGAGTTGTTCT
 CACCCCTTTCCCGCCTCCCTCCCTCTGAGCCTTCCCGTCTCGCTCTGCCCGGCCCGGCGACCCCT
 TCTCTCAGCAGGAGACATCTCATTTCTGCCGACCGCATACTCCTTTGAGTTCGATCGATGTCGACCT
 CCTCTGGATTGGGGACCCCAAAGACAGACCCTCTCCGACCTCCCATCCACGCCGAGGACCTTCTCTG
 AAGCTGGCGGAGAACGGCCACCCAGGAGTCCCGACCCGGACACCAGAGCAGAGAACGCAGTCTACCCA
 GGCCACCTCTGGTTCGTCCACCTATCTCCAGCTGCCCAAGACCTCTGGGACCCAGGCCTCCATGATT
 TTGCTGCCAGGACCCCTGTGGACTCAGCTTTCATCAGAGCTTGGAGACAGATACGTTGTTGACTAAGC
 TGTGTGGCAGGACCCGCTCTGAGGCAGCTACAGGAGGATCTGGACAAGAGGCAGGAGGAGGAGCA
 GCTGGAGGCAGCTTTGGAGCTGACCCGGCAGCAGCTGGGCAAGCTACCAGGGAGGCTGCAGCTTCCGGG
 AAGGCCTGGGTCGCGACGCGCTTCTGCAGGACCGGCTGGTGAACGTGAGGGCTGCTCTGTGTCACCTGG
 CTCAGGAGCGAGAGCGAGTTTGGGACACATACAGCGGCCTGGAGCAGGACCTCGGCACCCCTAAGAGAGAC
 GCTCGAGTACCTGCTGCACCTCGGGTCTCCCGAGGACCGTGCCTGTGCTCAACAGCACCTGTGGATGGT
 GAGGACACGCTGGCAGGTCTGGGTGGCCCCAGAAACAGCCCCACATACTGATCCCAAGTCTCCATCCC
 CTGCACCCCAAGGAGAAGAGTCTCAGAGAGGGAGAGCCTTTAGAGTCACTGGAGCTCAGTCCCTCA
 GTCCCTGAGGTGACTGGAGTCTGCTCCCTCAGGCGGTGACAGAGCCCTCAGCAGCCCTCAGTCAAGTGT
 GGGTCTCAAGGCTCTCCGGGCATCCAGCCCTGAATGTCGTCAACCCTCATCTCCACTGCTGAGAACTA
 AGGTAGACCATCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209172 protein sequence
 Red=Cloning site Green=Tags(s)

MEQGRPRSSLSLASSASTVSSLSLSTKKPTRAVHKVHAFGKRNNALRRDPNLPVHIRGWLHKQDSSGLR
 LWKRRWFVLSGHCLFYKDSREESVLSVLLPSYSVSRPDGPGAPRRRFTFAEHPGMRTYVLAADTLED
 LRGWLRALGRASRAEGEDCGLPRSPARPRPGEGPGGPPPEVNRREGRISESPEVARLSRGLGRHETH
 TPNSTVDLQDTWSRRTSPFLSPLSRPPSPLSLPRPRSAPARRPPLSAGDISFPARPHPLSRIDVRP
 PLDWGPQRQTLRPPIPRRGPSSEAGGERPPRSPQRTPEQRTQSTQATSGSSTYLQLPPRPPGTQASMI
 LLPGPPVDSALHQSLQETDILLTKLQDRLRLRQLQEDLDRQEEKEQLEAALELTRQQLGQATREAAASG
 KAWGRQRLLDRLVNVRAALCHLAQERERVWDYSGLEQDLGTLRETLEYLLHLGSPQDRACAQQHLWMV
 EDTLAGLGGPQKQPPHTDPKSPSPAPQGEESERESLSELSLSSPQSPQSPQSPQSPQSPQSPQSPQSPQ
 GSPRVSRASSPECRQPSPLLRKVDHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC021387

ORF Size: 1764 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC021387](#), [AAH21387](#)

RefSeq Size: 2158 bp

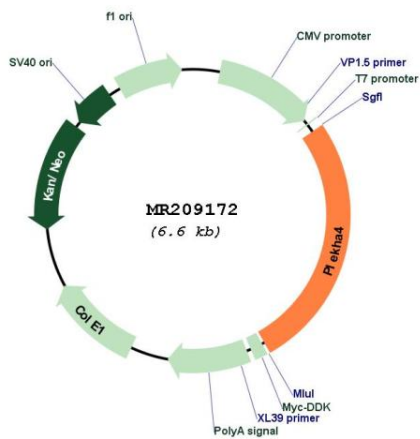
RefSeq ORF: 1766 bp

Locus ID: 69217

Cytogenetics: 7 B3

MW: 64.8 kDa

Product images:



Circular map for MR209172